



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/751,334	12/30/2003	Paul L. Hickman	59147-8002.US02	7600
22913	7590	01/25/2008	EXAMINER	
WORKMAN NYDEGGER 60 EAST SOUTH TEMPLE 1000 EAGLE GATE TOWER SALT LAKE CITY, UT 84111			RICHMAN, GLENN E	
		ART UNIT	PAPER NUMBER	
		3764		
		MAIL DATE	DELIVERY MODE	
		01/25/2008	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)
	10/751,334	HICKMAN, PAUL L.
	Examiner	Art Unit
	Glenn Richman	3764

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 18 November 2007.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-3,5,8,15-18 and 20-29 is/are pending in the application.
- 4a) Of the above claim(s) 15-17,25,27 and 29 is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-3,5,8,18,20-24,26 and 28 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>11/16/06</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 3, 5, 8, 24, 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bisberg.

Bisberg discloses an exercise apparatus having a level of effort that is adjustable with an actuator (abstract), said exercise apparatus providing a scripted virtual personal training experience for a user of said exercise apparatus (abstract), which is stored in a memory (40) which is removably engageable with said exercise apparatus .

Bisberg does not disclose the memory is digital, however it would have been obvious to use a digital memory with Bisberg, as it is well known in the art, to convert a tape to a digital memory, for storing data.

Bisberg further discloses said scripted virtual personal training experience provides warning of an impending change in said level of effort prior to a change in said level of effort by an automated control of said actuator by said exercise apparatus (col. 4, lines 36 – et seq.), wherein said scripted virtual personal training experience includes vocal and actuator control data stored in said memory (col. 4, lines 36 – et seq.), said automated control of said actuator is in accordance with said actuator control data (col.

4, lines 36 – et seq.), said exercise apparatus is selected from the group consisting essentially of a bicycle, a rowing machine, a step machine, a treadmill, and a resistance trainer,

Claims 2 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bisberg in view of Bond et al.

Bisberg discloses said exercise apparatus is one of a plurality of exercise apparatus fig. 1.

Bisberg does not discloses the exercise apparatus is in at least part-time communication with a computer that is separate from said exercise apparatus.

Bond et al discloses an exercise apparatus is in at least part-time communication with a computer that is separate from said exercise apparatus. "After every sixteen executions of the 100 Hz routine, the 6.25 Hz routine will execute. The 6.25 Hz routine performs torque and velocity baseline measurements, executes front panel routines and calculates the PRIOR.VEL.ERR value. The values of the parameters which are read and/or calculated in the 6.25 Hz routine are held and passed to the 100 Hz routine for use in sections of that routine. The data transmission routines performs basic serial data communications between the on-board, real-time control computer system and the remote computer system which performs data processing and display functions and/or downloads control information to the on-board computer system."

It would have been obvious to use Bond et al's computer with Bisberg's devices, as it is well known to use a computer separate from an exercise device, as taught by Bond et al, for communicating exercise data to the computer.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 18, 23, 28 are rejected under 35 U.S.C. 102(b) as being anticipated by Bisberg.

Bisberg discloses a frame fig. 1; a body-engaging member fig. 1, an actuator coupled between said frame and said body-engaging member 18, an audio display providing an audible alert of an impending change in a scripted exercise session col. 4, lines 36 – et seq.), an actuator controller coupled to said actuator for implementing said change subsequent to said audible alert col. 4, lines 36 – et seq.), said audio display includes a loudspeaker 44

Claims 20-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bisberg in view of Sweeney 4358105.

Bisberg does not disclose a visual display displaying images related to said scripted exercise session.

Sweeney disclose a visual display displaying images related to said scripted exercise session col. 4, lines 60 – et seq.

It would have been obvious to use Sweeney's display with Bisberg exercise device, as it is well known as taught by Sweeney, to use a visual display, for providing visual feedback to an exerciser.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Glenn Richman whose telephone number is 571-272-4981. The examiner can normally be reached on Mon-Thurs.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, LoAn Thanh can be reached on (571)272-4966. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Glenn Richman
Primary Examiner

Application/Control Number:
10/751,334
Art Unit: 3764

Page 6

Art Unit 3764